Abstract

Method for obtaining components of a packet of additives for engine fuels by oxyalkylenation of organic compounds containing hydroxyl groups by means of alkylene oxide at the presence of basic catalysts, at the temperature 80 – 170°C, characteristic in that the mixture containing 94.5-99.9% by mass of alkyl phenols of the general formula according to Fig. 1, where R_1 – alkyl group of the carbon atoms number from 6 to 16 and not more than 0.1% by mass of water (H_2O) and not more than 5.0% by mass (preferably from 0.1 to 1.0 by mass) of monohydroxyl alcohols of the general formula R_2-OH, where R_2 – alkyl group of the carbon atoms number from 1 to 4, is oxyalkylenated with ethylene oxide or propylene oxide up to the moment of obtaining the molecular mass of oxyalkylenated alcohol not lower than 100 daltons and the hydroxyl number not higher than 150 mg of KOH/g, and next the product of synthesis is contacted at the temperature not higher than 150°C with acid ion-exchange resin in the hydrogen form, favourably with functional sulfo groups, containing at least 0.1 mole of water per 1 mole of functional groups.